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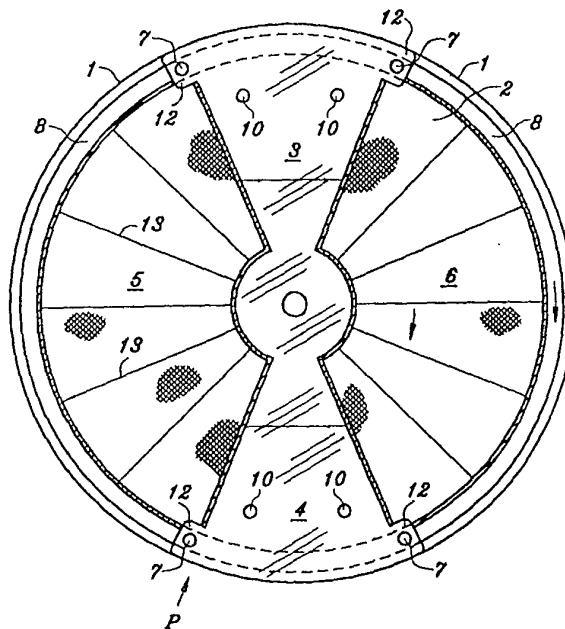
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(57) Abstract

The present invention relates to an arrangement in a regenerative, rotary heat exchanger for sensing and controlling the clearance between a flange (8) that projects radially outwards around the end surfaces of the rotor (1) and sector plates (3, 4) that move axially in relation to said end surfaces and that mutually separate the two heat exchanging media (5, 6). According to the invention, clearance sensing devices (7) are mounted on projections (12) which project out peripherally from the edges of the sector plates adjacent the rotor flange (8) such that the sensing devices are located in the flows of heat exchanging media.



Claims

1. An arrangement in a regenerative, rotary heat exchanger, particularly an air-preheater, for sensing and controlling the clearance between a flange (8)
5 that projects radially outwards around the end surfaces of the rotor (2) and axially in relation to its movable sector plates (3, 4) that mutually separate the two heat exchanging media (5, 6), **characterized** in that the sector plates (3, 4) are each provided with at least one projection (12) which projects out
10 peripherally from one edge of the sector plates opposite the rotor flange (8) and on which a clearance sensing device (7) is mounted.
2. An arrangement according to Claim 1, **characterized** in that the clearance sensing device (7) includes means for directing a jet of compressed air onto an adjacent rotor flange (8), wherewith variations in pressure in the compressed air delivered function to control a setting means (10) for adjusting
15 the setting of the sector plate (3, 4).
3. An arrangement according to Claim 1, **characterized** in that the clearance sensing device (7) includes a compressed-air driven pipe that is tuned to a specific resonance frequency and that has an opening located adjacent the rotor flange (8) so that changes in the clearance will be
20 represented by changes in the resonance frequency of the pipe, said changes functioning to control a sector plate (3, 4) adjusting means (10).